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(54) Title: ASSAYS FOR IDENTIFYING MODULATORS OF THE HYDROXYLATION OF ANKYRIN REPEAT PROTEINS
BY 2-OXOGLUTARATE DEPENDENT OXIGENASE AND METHODS OF USING THE SAME

(57) Abstract: A method of identifying an agent which modulates 2-oxoglutarate dependent oxygenase activity, the method com-
prising contacting a 2-oxoglutarate dependent oxygenase and a test agent in the presence of a substrate comprising one or more
ankyrin repeat, or fragment thereof, in conditions under which the substrate is hydroxylated in the absence of the test agent; and
determining hydroxylation of the substrate.